

TABLE 5: RSA GRADING OF YELLOW MAIZE ACCORDING TO GRADE (2018/19) (continue)

Number of samples	Region	% Defective Kernels						% Total defective			% Foreign matter			% Other Colour			% Combined Deviations			% Pinked Kernels			% Diplodia Kernels			% Fusarium Kernels			% Cobrot Kernels										
		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.										
		ave.	min.	max.	ave.																									min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.
GRADE: YM2																																							
1	Region 13	6.3	-	-	2.6	-	-	8.9	-	-	0.0	-	-	0.7	-	-	9.6	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	-	-	0.3	-	-		
3	Region 14	7.9	0.8	19.6	2.8	0.3	4.2	10.8	5.0	19.8	0.0	0.0	0.1	0.0	0.0	0.1	10.8	5.1	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1		
2	Region 16	9.4	8.7	10.1	5.2	5.1	5.3	14.6	14.0	15.1	0.0	0.0	0.1	2.4	0.0	4.7	17.0	15.1	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.3	0.0	0.6			
1	Region 17	2.8	-	-	7.2	-	-	10.1	-	-	0.1	-	-	0.2	-	-	10.4	-	-	0.0	-	-	0.0	-	-	1.4	-	-	0.0	-	-	0.0	-	-	1.4	-	-		
1	Region 18	4.9	-	-	2.0	-	-	6.9	-	-	0.4	-	-	0.0	-	-	7.3	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	-	-	0.3	-	-		
1	Region 20	3.6	-	-	3.4	-	-	7.0	-	-	0.4	-	-	0.0	-	-	7.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-		
1	Region 22	5.7	-	-	1.7	-	-	7.4	-	-	0.1	-	-	4.2	-	-	11.6	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.9	-	-	0.9	-	-		
1	Region 23	5.6	-	-	5.0	-	-	10.6	-	-	0.0	-	-	0.0	-	-	10.6	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-		
1	Region 24	7.8	-	-	2.3	-	-	10.1	-	-	0.0	-	-	0.3	-	-	10.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.1	-	-	0.1	-	-		
6	Region 26	8.6	4.0	15.5	2.1	0.6	4.7	10.7	5.9	16.1	0.1	0.0	0.4	0.1	0.0	0.4	10.9	6.3	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.8	1.0	12.6
2	Region 27	3.1	2.9	3.2	5.9	5.4	6.3	8.9	8.4	9.5	0.1	0.0	0.1	0.0	0.0	0.0	9.0	8.4	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	0.2	0.0	0.5	0.2	0.0	0.5	1.1	0.5	1.6		
5	Region 28	5.7	1.8	12.7	3.5	1.1	6.1	9.2	3.4	16.1	0.1	0.0	0.4	0.1	0.0	0.4	9.4	3.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	6.2	0.2	0.0	0.4	0.2	0.0	0.4	1.7	0.0	6.7		
3	Region 29	6.6	1.8	16.1	3.9	3.1	4.3	10.5	6.1	19.2	0.0	0.0	0.0	0.1	0.0	0.3	10.6	6.1	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4		
1	Region 30	15.9	-	-	1.9	-	-	17.8	-	-	0.0	-	-	0.0	-	-	17.8	-	-	0.0	-	-	0.0	-	-	11.1	-	-	0.8	-	-	12.0	-	-	-	-	-		
2	Region 31	5.1	3.7	6.5	2.6	0.9	4.3	7.7	7.5	7.9	0.3	0.0	0.5	0.0	0.0	0.0	8.0	7.9	8.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4		
1	Region 32	11.2	-	-	1.7	-	-	13.0	-	-	0.1	-	-	0.0	-	-	13.0	-	-	0.0	-	-	0.0	-	-	3.9	-	-	1.5	-	-	5.4	-	-	5.4	-	-		
2	Region 33	18.2	18.1	18.4	0.8	0.7	0.8	19.0	18.8	19.2	0.0	0.0	0.1	0.0	0.0	0.0	19.0	18.9	19.2	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	10.7	1.2	0.6	1.8	6.6	0.6	12.5	6.6	0.6	12.5		
7	Region 34	3.5	2.1	5.7	3.0	1.2	5.0	6.5	5.0	8.0	0.3	0.0	0.5	0.3	0.0	1.0	7.1	5.5	8.6	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.8	0.3	0.0	0.9	1.1	0.0	2.1	1.1	0.0	2.1			
6	Region 36	6.3	1.5	8.5	1.3	0.4	2.5	7.7	4.0	9.8	0.1	0.0	0.4	1.1	0.0	3.2	8.8	7.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.2	4.4	0.6	0.0	1.8	3.0	0.6	4.9	3.0	0.6	4.9		
47	Ave. YM2	6.8	0.8	19.6	2.9	0.3	7.2	9.7	3.4	19.8	0.1	0.0	0.5	0.4	0.0	4.7	10.3	3.8	19.8	0.0	0.0	0.0	0.0	0.0	1.7	0.0	11.1	0.4	0.0	1.8	2.1	0.0	0.0	0.0	0.0	0.0	12.6		
	Min. YM2	0.8	0.8	19.6	0.3	0.3	7.2	3.4	3.4	19.8	0.0	0.0	0.5	0.0	0.0	4.7	3.8	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	Max. YM2	6.8	0.8	19.6	2.9	0.3	7.2	9.7	3.4	19.8	0.1	0.0	0.5	0.4	0.0	4.7	10.3	3.8	19.8	0.0	0.0	0.0	0.0	0.0	1.7	0.0	11.1	0.4	0.0	1.8	2.1	0.0	0.0	0.0	0.0	0.0	12.6		

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		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.																				
		ave.	min.	max.	ave.																									min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: YM3																																																	
1	Region 11	1.5	-	-	5.4	-	-	6.9	-	-	0.6	-	-	0.0	-	-	7.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-									
1	Region 17	1.6	-	-	1.1	-	-	2.7	-	-	0.7	-	-	0.4	-	-	3.9	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-									
1	Region 20	12.1	-	-	2.1	-	-	14.2	-	-	0.7	-	-	0.2	-	-	15.0	-	-	0.0	-	-	0.0	-	-	2.7	-	-	4.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	6.9	-	-						
1	Region 22	1.6	-	-	2.8	-	-	4.4	-	-	0.7	-	-	0.2	-	-	5.3	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-						
1	Region 24	1.2	-	-	0.1	-	-	1.3	-	-	0.6	-	-	0.2	-	-	2.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-						
1	Region 28	3.1	-	-	2.0	-	-	5.1	-	-	0.6	-	-	0.0	-	-	5.6	-	-	0.0	-	-	0.0	-	-	1.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.1	-	-						
1	Region 32	3.0	-	-	1.0	-	-	4.0	-	-	0.7	-	-	0.0	-	-	4.7	-	-	0.0	-	-	0.0	-	-	1.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	1.0	-	-						
2	Region 34	13.3	4.7	21.9	2.2	2.0	2.4	15.5	6.6	24.3	0.3	0.1	0.6	0.0	0.0	0.0	15.8	7.3	24.3	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.9	9.4	0.9	0.0	1.7	6.0	0.9	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
1	Region 35	1.2	-	-	3.3	-	-	4.5	-	-	0.7	-	-	0.0	-	-	5.2	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-			
3	Region 36	15.4	1.6	23.2	2.1	0.8	4.5	17.4	2.4	27.7	0.3	0.0	0.6	0.1	0.0	0.2	17.8	2.9	28.2	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	13.7	1.8	0.1	3.7	10.9	0.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	Ave. YM3	7.5			2.2			9.7			0.5			0.1			10.3			0.0			0.0			3.3			0.9			4.2			0.0			0.0			4.2			0.0			17.4		
	Min. YM3	1.2			0.1			1.3			0.0			0.0			2.1			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0			0.0		
	Max. YM3				5.4			27.7			0.7			0.4			28.2			0.0			0.0			13.7			4.2			4.2			4.2			4.2			4.2			4.2			4.2		
CLASS: COM																																																	
1	*Region 11	1.9	-	-	5.2	-	-	7.1	-	-	0.0	-	-	0.0	-	-	7.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-			
1	Region 13	30.6	-	-	1.4	-	-	32.1	-	-	0.1	-	-	0.5	-	-	32.6	-	-	0.0	-	-	0.0	-	-	15.7	-	-	2.9	-	-	18.7	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 14	3.1	-	-	0.5	-	-	3.6	-	-	0.9	-	-	0.8	-	-	5.3	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.3	-	-	0.3	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	*Region 18	4.3	-	-	3.0	-	-	7.3	-	-	0.5	-	-	0.3	-	-	8.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.5	-	-	0.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 19	36.9	-	-	2.1	-	-	38.9	-	-	0.0	-	-	0.0	-	-	38.9	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 22	4.3	-	-	1.9	-	-	6.2	-	-	1.1	-	-	0.8	-	-	8.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	-	-	0.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
3	Region 24	5.4	3.3	9.6	1.2	0.3	2.8	6.6	3.7	12.4	1.3	0.9	1.9	0.0	0.0	0.0	7.9	4.8	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	*Region 25	1.7	-	-	1.4	-	-	3.1	-	-	0.0	-	-	0.0	-	-	3.1	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.4	-	-	0.4	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
6	Region 26	12.7	3.3	27.8	5.7	1.4	9.2	18.4	5.6	31.2	1.4	0.0	3.4	0.2	0.0	1.4	20.1	6.7	31.4	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.1	17.2	1.9	0.0	8.4	7.1	0.1	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	*Region 28	3.5	1.8	5.0	1.1	0.6	1.6	4.6	2.4	6.5	0.6	0.0	1.4	0.0	0.0	0.0	5.2	3.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.7	0.4	0.0	1.4	1.1	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	*Region 30	2.8	-	-	1.6	-	-	4.3	-	-	0.0	-	-	0.5	-	-	4.8	-	-	0.0	-	-	0.0	-	-	0.7	-	-	0.0	-	-	0.7	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
1	Region 31	1.8	-	-	1.4	-	-	3.2	-	-	0.8	-	-	0.0	-	-	4.0	-	-	0.0	-	-	0.0	-	-	0.5	-	-	0.0	-	-	0.5	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-	0.0	-	-
3	*Region 32	5.5	3.8	8.1	3.4	2.4	5.2	8.9	7.2	10.6	0.6	0.0	1.8	0.5	0.0	1.4	10.0	9.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	1.2	0.7	0.0	1.1	1.5	0.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	*Region 34	3.3	1.1	5.6	2.3	0.4	6.0	5.6	4.2	7.0	0.5	0.0	1.0	0.0	0.0	0.2	6.1	4.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	2.7	0.1	0.0	0.4	1.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

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		Above 6.35 mm sieve		Below 6.35 mm sieve		ave.	min.					max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.							
		ave.	min.	max.	ave.																				min.	max.					
CLASS: COM																															
3	Region 36	5.2	1.9	7.8	4.0	0.8	9.5	9.2	6.7	11.4	0.8	0.0	1.7	2.5	0.0	7.4	12.5	7.5	16.9	0.0	0.0	0.0	1.5	0.0	3.4	0.8	0.5	1.0	2.3	0.9	3.9
35	Ave. COM	7.1			2.8			10.0			0.7			0.4			11.1			0.0			1.9			0.7			2.6		
	Min. COM	1.1			0.3			2.4			0.0			0.0			3.1			0.0			0.0			0.0			0.0		
	Max. COM	36.9			9.5			38.9			3.4			7.4			38.9			0.0			17.2			8.4			20.6		
404	Ave. yellow maize	3.7			1.7			5.4			0.1			0.2			5.7			0.0			0.9			0.3			1.2		
	Min. yellow maize	0.0			0.0			0.7			0.0			0.0			0.7			0.0			0.0			0.0			0.0		
	Max. yellow maize	36.9			9.5			38.9			3.4			7.4			38.9			0.0			17.2			8.4			20.6		
808	Ave. maize	5.3			1.8			7.0			0.1			0.4			7.5			0.2			0.7			0.3			1.0		
	Min. maize	0.0			0.0			0.4			0.0			0.0			0.6			0.0			0.0			0.0			0.0		
	Max. maize	88.5			19.0			96.7			4.2			12.9			96.8			9.8			17.2			8.4			20.6		

*The following yellow maize samples were downgraded to Class Other Maize due to the presence of poisonous seeds exceeding the maximum allowance

Region	Number of Poisonous seeds (<i>Crotalaria</i> spp., <i>Datura</i> spp., <i>Ricinus communis</i>) Max. allowance 1 seed/1000 g	Number of Poisonous seeds (<i>Argemone mexicana</i> L., <i>Convolvulus</i> spp., <i>Ipomoea purpurea</i> Roth., <i>Lolium temulentum</i> , <i>Xanthium</i> spp.) Max. allowance 7 seeds/1000 g
11	93 <i>Datura</i> spp.	20 <i>Convolvulus</i> spp.
18	0	24 <i>Xanthium strumarium</i>
25	6 <i>Datura</i> spp.	0
28	6 <i>Datura</i> spp.	0
28	0	12 <i>Xanthium strumarium</i>
30	0	12 <i>Xanthium strumarium</i>
32	0	12 <i>Xanthium strumarium</i>
32	0	12 <i>Xanthium strumarium</i>
34	13 <i>Datura</i> spp.	0
34	0	12 <i>Xanthium strumarium</i>
34	0	12 <i>Xanthium strumarium</i>
34	0	12 <i>Xanthium strumarium</i>